



## **A PROJECT REPORT**

**ON**

### **MIRCHI: The personal Voice Assistant**

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#### **Description:**

MIRCH: The personal Voice Assistant is the first important project on which I have worked with my colleagues. What's really crucial for me when starting is to get very clear on the goals right at the start and then create a plan with milestones. I also like dealing with the most difficult parts of the projects, though I had a nice amount of time to complete the project. The day when we decided to choose the MIRCHI: The personal Voice Assistant as our project we were confused from where to start. I also typically break down large tasks into smaller chunks, so that it was getting easier for me to know where to start.

The task was to make a voice assistant which ease our life, like send email, play music videos, open VS Code, do google searches find the dictionary meaning of word and many other tasks.

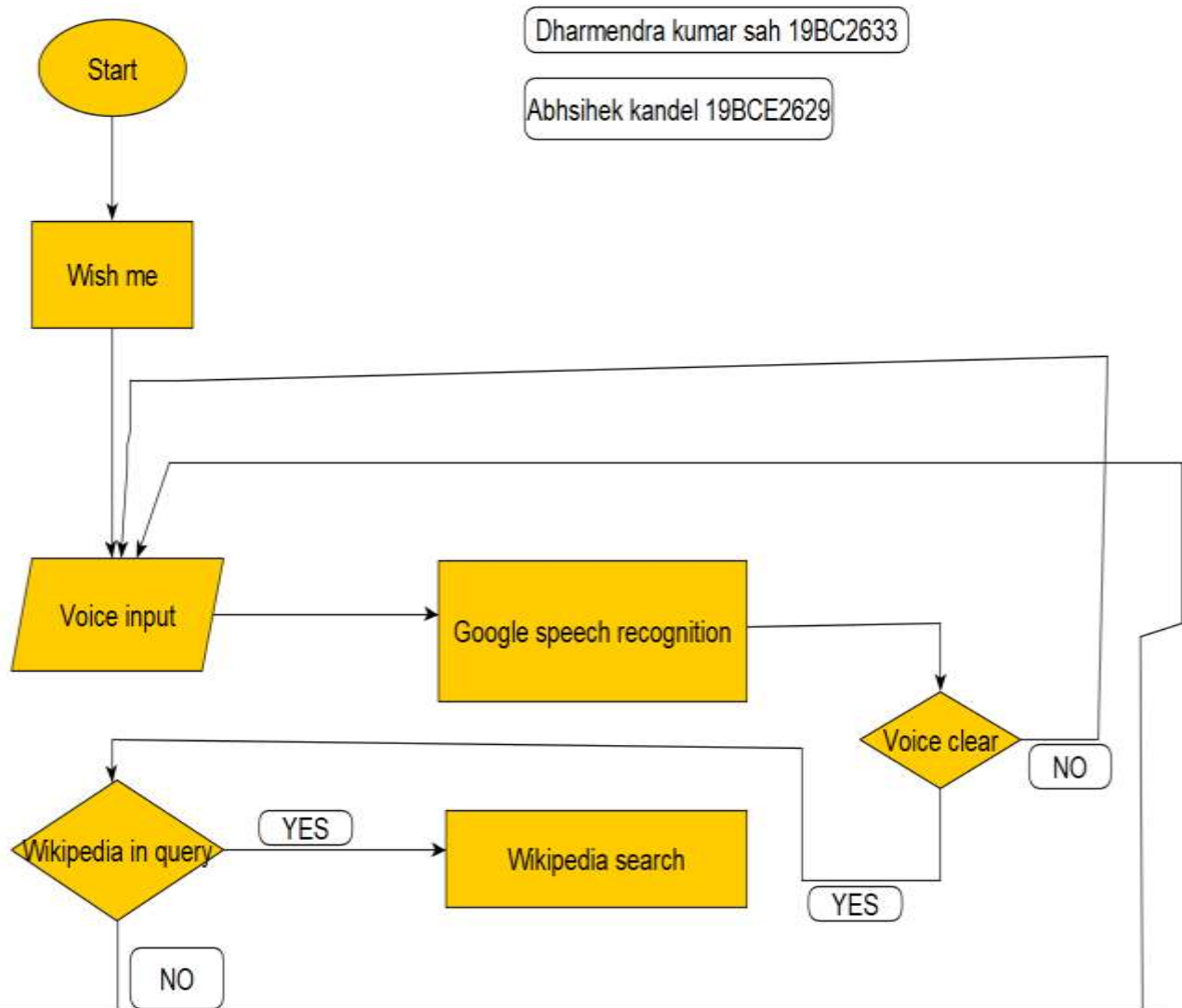
Firstly, I divided the tasks in smaller task. Since adding features like playing music, videos, and google searches were easy so, I did that part first. Then using hash table it was able to find the

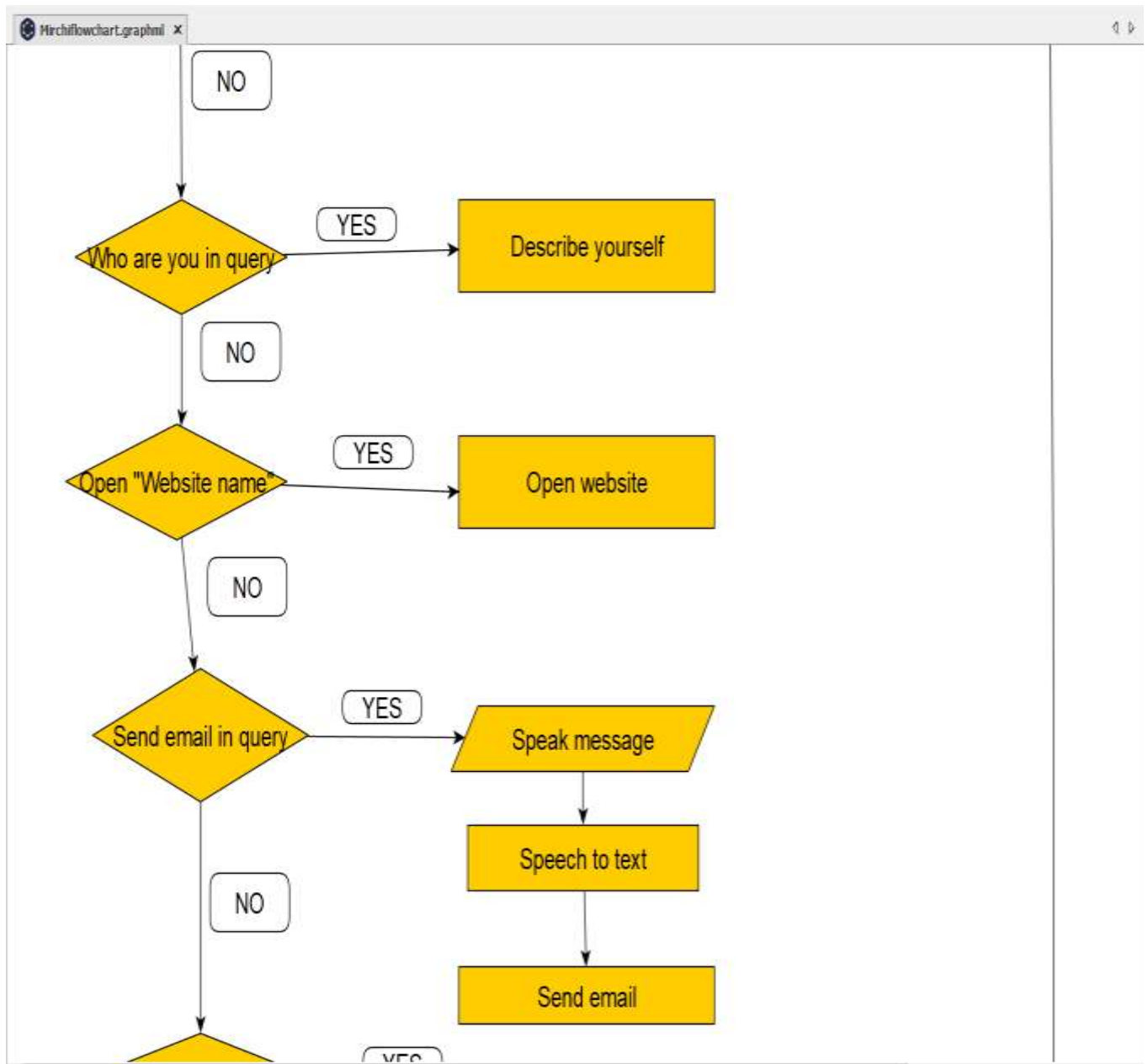
dictionary meaning and then last part to send the Gmail was a little bit harder. A problem was arose for the security for the Gmail account, then considering the security we continued to our project and finally it was done.

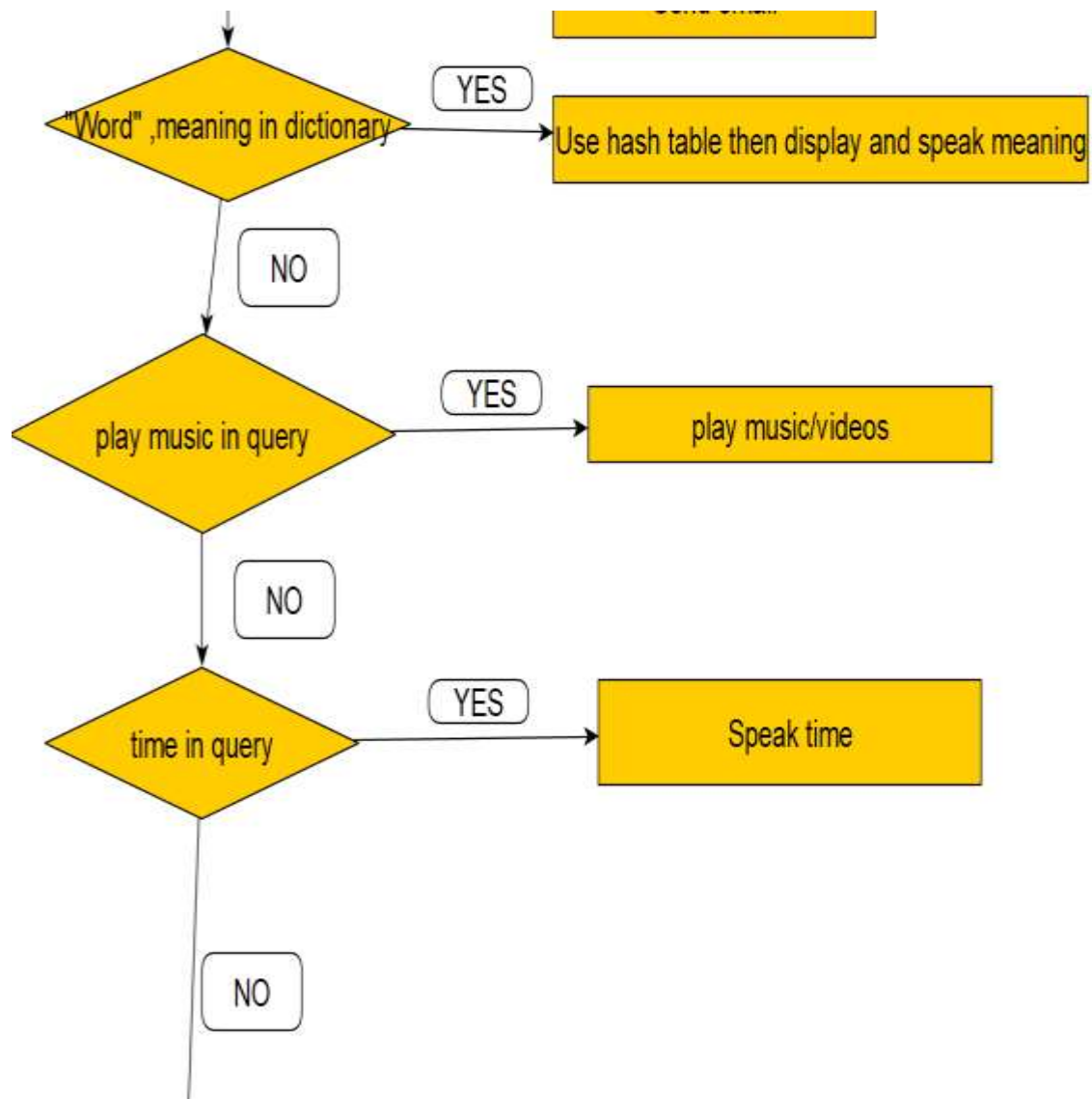
Working on project; we realized there are some mistakes which many other developer may face like while installing different module. But this was sorted using a website unofficial python libraries.

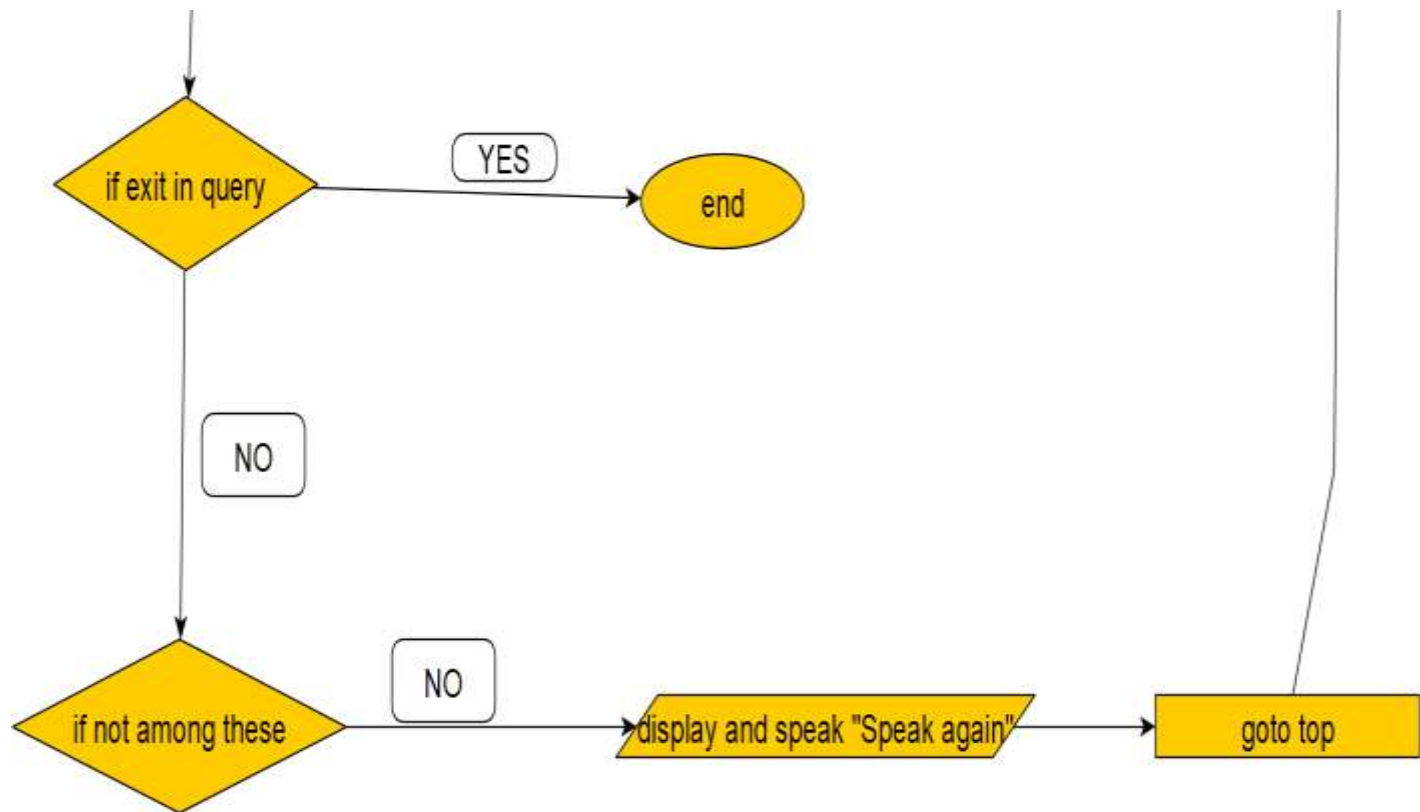
Finally, cracking all the logics and overcoming all the problems; Our projects was done with co-operation of my teammates. And Our MIRCHI: The voice assistant was ready to ease our life.

### **Workflow/Flowchart:**









### Conclusion/Future enhancement:

Through this voice assistant, we have automated various services using a single line command. It eases most of the tasks of the user like searching the web, finding meaning of the word, sending mail, playing audios, videos, telling time etc. We aim to make this project a complete server assistant and make it smart enough to act as a replacement for a general server administration. The future plans include integrating MIRCHI with mobile using React Native to provide a

synchronized experience between the two connected devices. Further, in the long run, MIRCHI is planned to feature auto backup files, and many other operations which a general Server Administrator does. The functionality would be seamless enough to replace the Server Administrator with MIRCH with targeted next 12 to 16 months.

## **Reference:**

- **Works cited**

Codewithharry:

<https://codewithharry.com/videos/python-tutorials-for-absolute-beginners-120>

<https://youtu.be/Lp9Ftuq2sVI>

geekforgeeks

<https://www.geeksforgeeks.org/voice-assistant-using-python/>

Harkishen Singh, Muskan Khedia, Jayashree Panda, Subham Mishra, Ankit Singh(2017): A PROJECT REPORT ON JARVIS: The Personal Linux Assistant

[https://files.gitter.im/COSS-Jarvis/community/nUVs/JARVIS- -Report- 2\\_.pdf](https://files.gitter.im/COSS-Jarvis/community/nUVs/JARVIS--Report-2_.pdf)

Unofficial Windows Binaries for Python Extension Packages

<https://www.lfd.uci.edu/~gohlke/pythonlibs/>

Edureka(2020, June): Python Jarvis Tutorial

<https://youtu.be/0sjRkz1UIDQ>

**Thank you**